

wherein:

 said control means is adapted, in response to the
 operation of said control starting operation means
 while said memory instructing operation means is
5 operated or simultaneous with the operation of said
 memory instructing operation means, to cause said
 memory means to memorized the actual drive position of
 said optical member detected by said position detection
 means as the preset position information.

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 13. An optical apparatus drive unit to be mounted
 on or connected to a main body of an optical apparatus
 including an optical member, the drive unit comprising:

 memory means for memorizing preset position
15 information and preset speed information;
 memory instructing operation means to be operated
 for causing said memory means to memorize the preset
 speed information; and
 control means for executing preset drive control
20 on said optical member;

 wherein said control means is adapted to cause
 said memory means to memorize arbitrary preset speed
 information in response to the operation of said memory
 instructing operation means, and to drive said optical
25 member to a position corresponding to said memorized
 preset position information with a speed corresponding
 to said memorized preset speed information.

14. An optical apparatus drive unit according to
claim 13, wherein:

5 said control means is adapted, when said optical
member is driven and said memory instructing operation
means is operated, to cause said memory means to
memorize the actual drive speed of said optical member
at the time of operation of said memory instructing
operation means as the preset speed information.

10 15. An optical apparatus drive unit according to
claim 13, further comprising:

 drive instructing operation means to be operated
for generating a drive speed command for said optical
member corresponding to the operation amount;

15 wherein said control means is adapted, when said
drive instructing operation means is operated and said
memory instructing operation means is operated, to
cause said memory means to memorize the drive speed
command at the time of operation of said memory
instructing operation means as the preset speed
20 information.

16. An optical apparatus drive unit according to
claim 13, wherein:

25 said control means is adapted, in the execution of
said preset drive control, to compare the actual drive
speed of said optical member with a drive speed

corresponding to the preset speed information and to control to increase or decrease the actual drive speed of said optical member in such a manner that said two drive speeds substantially coincide.

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17. An optical apparatus drive unit according to claim 13, further comprising display means for displaying that said preset drive control is executed.

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18. An optical apparatus drive unit according to claim 13, further comprising:

speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

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19. An optical apparatus drive unit according to claim 13, further comprising control starting operation means to be operated for starting said preset drive control.

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20. An optical apparatus drive unit according to claim 19, wherein said control means is adapted to interrupt said preset drive control in response to the

operation of said control starting operation means in the course of said preset drive control.

21. An optical apparatus drive unit according to
5 claim 13, further comprising:

drive instructing operation means to be operated for generating a drive speed command for said optical member according to the operation amount;

10 wherein said control means is adapted to interrupt said preset drive control in response to the operation of said drive starting operation means in the course of said preset drive control.

22. An optical apparatus drive unit according to
15 claim 13, further comprising:

position detection means for detecting the actual drive position of said optical member;

20 wherein said control means is adapted, in response to the operation of said memory instructing operation means, to cause said memory means to memorize the actual drive position of said optical member detected by said position detection means as the preset position information.

25 23. An optical apparatus drive unit according to
claim 22, further comprising:

control starting operation means to be operated

for starting the preset drive control;
wherein said control means is adapted, in response
to the operation of said memory instructing operation
means and to the operation of said control starting
5 operation means, to cause said memory means to memorize
the actual drive position of said optical member
detected by said position detection means as the preset
position information.

10 24. An optical apparatus drive unit according to
claim 23, wherein:

15 said control means is adapted, in response to the
operation of said control starting operation means
while said memory instructing operation means is
operated or simultaneous with the operation of said
memory instructing operation means, to cause said
memory means to memorize the actual drive position of
said optical member detected by said position detection
means as the preset position information.

20 25. A camera system including a camera on which
an optical apparatus is mounted, the camera system
comprising:

25 an optical member constituting the optical
apparatus;

memory means for memorizing preset position
information and preset speed information;

memory instructing operation means to be operated for causing said memory means to memorize the preset speed information; and

control means for executing preset drive control
5 on said optical member;

wherein said control means is adapted to cause
said memory means to memorize arbitrary preset speed
information in response to the operation of said memory
instructing operation means, and to drive said optical
10 member to a position corresponding to said memorized
preset position information with a speed corresponding
to said memorized preset speed information.

26. A camera system according to claim 25,
15 wherein:

said control means is adapted, when said optical
member is driven and said memory instructing operation
means is operated, to cause said memory means to
memorize the actual drive speed of said optical member
20 at the time of operation of said memory instructing
operation means as the preset speed information.

27. A camera system according to claim 25,
further comprising:

25 drive instructing operation means to be operated
for generating a drive speed command for said optical
member corresponding to the operation amount;

wherein said control means is adapted, when said drive instruction operation means is operated and said memory instructing operation means is operated, to cause said memory means to memorize the drive speed 5 command at the time of operation of said memory instructing operation means as the preset speed information.

28. A camera system according to claim 25,
10 further comprising:

speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

15 wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

29. An optical apparatus comprising:
20 an optical member constituting the optical apparatus;
memory means for memorizing preset speed information and preset direction information;
memory instructing operation means to be operated 25 for causing said memory means to memorize the preset speed information and the preset direction information;
and

control means for executing preset drive control on said optical member;

wherein said control means is adapted to cause said memory means to memorize arbitrary preset speed 5 information and arbitrary preset direction information in response to the operation of said memory instructing operation means, and to drive said optical member with a speed corresponding to said memorized preset speed information and in a direction corresponding to said 10 memorized preset direction information.

30. An optical apparatus according to claim 29, wherein:

said control means is adapted, when said optical 15 member is driven and said memory instructing operation means is operated, to cause said memory means to memorize the actual drive speed of said optical member at the time of operation of said memory instructing operation means as the preset speed information.

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31. An optical apparatus according to claim 29, further comprising:

drive instructing operation means to be operated for generating a drive speed command for said optical 25 member corresponding to the operation amount;

wherein said control means is adapted, when said drive instruction operation means is operated and said

memory instructing operation means is operated, to cause said memory means to memorize the drive speed command at the time of operation of said memory instructing operation means as the preset speed information.

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32. An optical apparatus according to claim 29, wherein:

10 said control means is adapted, when said optical member is driven and said memory instructing operation means is operated, to cause said memory means to memorize the actual drive direction of optical adjustment means at the time of operation of said memory instructing operation means as the preset 15 direction information.

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33. An optical apparatus according to claim 29, further comprising:

20 drive instructing operation means to be operated for generating a drive direction command for said optical member corresponding to the operation direction;

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25 wherein said control means is adapted, when said drive instruction operation means is operated and said memory instructing operation means is operated, to cause said memory means to memorize the drive direction command at the time of operation of said memory

instructing operation means as the preset direction information.

34. An optical apparatus according to claim 29,
5 wherein:

10 said control means is adapted, in the execution of said preset drive control, to compare the actual drive speed of said optical member with a drive speed corresponding to the preset speed information and to control to increase or decrease the actual drive speed of said optical member in such a manner that said two drive speeds substantially coincide.

15 35. An optical apparatus according to claim 29, further comprising display means for displaying that said preset drive control is executed.

20 36. An optical apparatus according to claim 29, further comprising:

speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed;

25 wherein said control means is adapted to drive said optical member with the drive speed selected by said speed selecting operation means.

37. An optical apparatus according to claim 29, further comprising control starting operation means to be operated for starting said preset drive control.

5 38. An optical apparatus according to claim 37, wherein said control means is adapted to interrupt said preset drive control in response to the operation of said control starting operation means in the course of said preset drive control.

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39. An optical apparatus according to claim 29, further comprising:

15 drive instructing operation means to be operated for generating a drive command for said optical member according to at least either of the operation amount and the operation direction;

20 wherein said control means is adapted to interrupt said preset drive control in response to the operation of said drive instructing operation means in the course of said preset drive control.

40. An optical apparatus drive unit to be mounted on or connected to a main body of an optical apparatus including an optical member, the drive unit comprising:

25 memory means for memorizing preset speed information and preset direction information; memory instructing operation means to be operated

for causing said memory means to memorize the preset speed information and the preset direction information; and

control means for executing preset drive control
5 on said optical member;

wherein said control means is adapted to cause
said memory means to memorize arbitrary preset speed
information and arbitrary preset direction information
in response to the operation of said memory instructing
10 operation means, and to drive said optical member with
a speed corresponding to said memorized preset speed
information and in a direction corresponding to said
memorized preset direction information.

15 41. An optical apparatus drive unit according to
claim 40, wherein:

said control means is adapted, when said optical
member is driven and said memory instructing operation
means is operated, to cause said memory means to
memorize the actual drive speed of said optical member
20 at the time of operation of said memory instructing
operation means as the preset speed information.

25 42. An optical apparatus drive unit according to
claim 40, further comprising:

drive instructing operation means to be operated
for generating a drive speed command for said optical

member corresponding to the operation amount;

wherein said control means is adapted, when said drive instruction operation means is operated and said memory instructing operation means is operated, to
5 cause said memory means to memorize the drive speed command at the time of operation of said memory instructing operation means as the preset speed information.

10 43. An optical apparatus drive unit according to claim 40, wherein:

said control means is adapted, when said optical member is driven and said memory instructing operation means is operated, to cause said memory means to
15 memorize the actual drive direction of said optical member at the time of operation of said memory instructing operation means as the preset direction information.

20 44. An optical apparatus drive unit according to claim 40, further comprising:

drive instructing operation means to be operated for generating a drive direction command for said optical member corresponding to the operation
25 direction;

wherein said control means is adapted, when said drive instruction operation means is operated and said

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memory instructing operation means is operated, to cause said memory means to memorize the drive direction command at the time of operation of said memory instructing operation means as the preset direction information.

5 45. An optical apparatus drive unit according to claim 40, wherein:

10 said control means is adapted, in the execution of said preset drive control, to compare the actual drive speed of said optical member with a drive speed corresponding to the preset speed information and to control to increase or decrease the actual drive speed of said optical member in such a manner that said two 15 drive speeds substantially coincide.

20 46. An optical apparatus drive unit according to claim 40, further comprising display means for displaying that said preset drive control is executed.

47. An optical apparatus drive unit according to claim 40, further comprising:

25 speed selecting operation means to be operated for selecting the drive speed of said optical member either at a drive speed corresponding to the preset speed information or at a maximum drivable speed; wherein said control means is adapted to drive

said optical member with the drive speed selected by
said speed selecting operation means.

48. An optical apparatus drive unit according to
5 claim 40, further comprising control starting operation
means to be operated for starting said preset drive
control.

49. An optical apparatus drive unit according to
10 claim 48, wherein said control means is adapted to
interrupt said preset drive control in response to the
operation of said control starting operation means in
the course of said preset drive control.

15 50. An optical apparatus drive unit according to
claim 40, further comprising:

drive instructing operation means to be operated for generating a drive command for said optical member according to at least either of the operation amount and the operation direction:

wherein said control means is adapted to interrupt said preset drive control in response to the operation of said drive instructing operation means in the course of said preset drive control.

51. A camera system including a camera on which an optical apparatus is mounted, the camera system

comprising:

an optical member constituting the optical apparatus;

memory means for memorizing preset speed

5 information and preset direction information;

memory instructing operation means to be operated for causing said memory means to memorize the preset speed information and the preset direction information; and

10 control means for executing preset drive control on said optical member;

wherein said control means is adapted to cause said memory means to memorize arbitrary preset speed information and arbitrary preset direction information 15 in response to the operation of said memory instructing operation means, and to drive said optical member with a speed corresponding to said memorized preset speed information in a direction corresponding to said memorized preset direction information.

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52. A camera system according to claim 51,

wherein:

said control means is adapted, when said optical member is driven and said memory instructing operation 25 means is operated, to cause said memory means to memorize the actual drive speed of said optical member at the time of operation of said memory instructing

operation means as the preset speed information.

53. A camera system according to claim 51,
further comprising:

5 drive instructing operation means to be operated
for generating a drive speed command for said optical
member corresponding to the operation amount;

10 wherein said control means is adapted, when said
drive instruction operation means is operated and said
memory instructing operation means is operated, to
cause said memory means to memorize the drive speed
command at the time of operation of said memory
instructing operation means as the preset speed
information.

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54. A camera system according to claim 51,
further comprising:

20 speed selecting operation means to be operated for
selecting the drive speed of said optical member either
at a drive speed corresponding to the preset speed
information or at a maximum drivable speed;

 wherein said control means is adapted to drive
said optical member with the drive speed selected by
said speed selecting operation means.

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